

Patent

ABSTRACT

An electronic device includes a carriage on which an image sensor is mounted, a motor that drives the carriage, and servo-control-containing printed matter provided in one or more detection areas of the image sensor or one or more independently provided optical sensors. The servo control information is used for speed control and initial position detection of the carriage. A servo controller performs the servo control on the motor via a motor driver based on the read servo control information. The printed matter is provided on a rear or underside surface of a support structure in areas irradiated by a light source for the image sensor. Printed matter for speed control may be provided in one area and printed matter for initial position detection in another. Servo control information on the printed matter may be read using a dummy pixel region of the image sensor.